

Outline of Exam:

1. Requirements (see in-class exercise)
2. Specification testing (see in-class exercise). Know how to calculate partitions, on points, off points, etc.
3. Structural testing (see in-class exercise). Also know how to calculate McCabe's complexity measure (Software Metrics lecture)
4. Written questions

Examples of written questions:

Describe what Technical Debt is, and why companies should limit their technical debt.

Explain the difference between user-centric and product-centric definitions of software quality, using the Volkswagen Dieselgate scandal (or another example) as illustration.

What are some of the benefits of unit testing compared to integration and system testing? What aspects of software execution does unit testing NOT test?